^{2}H(^{56}Ni,p) 1998Re01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. R. Bhat	NDS 85, 415 (1998)	24-Sep-1998

^{56}Ni was produced by the ^{58}Ni(p,p2n) reaction with E(p)=50 MeV. The ^{56}Ni beam was incident on a CD_2 target located in the scattering chamber of the fragment mass analyzer. The protons emitted at the backward angles from the reaction were detected in a Si detector array. Measured $\sigma(\theta)$. DWBA analysis using spectroscopic factors derived from shell-model calculations.

^{57}Ni Levels

E(level)	J^{π} †
0.0	$3/2^-$
768	$5/2^-$
1113	$1/2^-$

† From Adopted Levels.